



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

PATENT #8

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In re Application of:  
McDevitt et al.

Serial No. 09/616,731

Filed: July 14, 2000

For: METHOD AND APPARATUS FOR  
THE DELIVERY OF SAMPLES TO  
A CHEMICAL SENSOR ARRAY

§ Examiner: Unknown  
§  
§ Group Art Unit: 1743  
§  
§ Atty. Dkt. 5119-00517  
§

**Certificate of Mailing 37 C.F.R. § 1.8(a)**

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail, postage prepaid, in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231, on the date below:

4/18/02  
Date

Kathy Norman  
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**INFORMATION DISCLOSURE STATEMENT**

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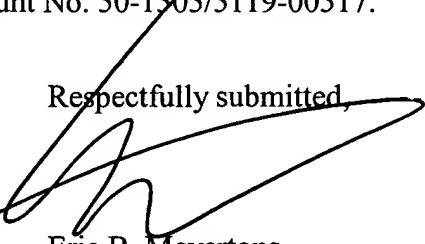
Sir:

It is respectfully requested that this Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 (references D1-D89) be considered by the Examiner and made of record. A copy of each listed document is enclosed for the convenience of the Examiner.

McDevitt et al.  
09/616,731

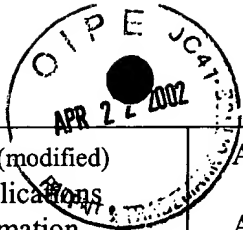
Should any fees be required, the Assistant Commissioner is authorized to charge said fees to Conley, Rose & Tayon, P.C. Deposit Account No. 50-1505/5119-00517.

Respectfully submitted,

  
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Date: 4/18/02



**Form PTO-1449** (modified)  
List of Patents and Publications  
For Applicant's Information  
Disclosure Statement  
(Use several sheets if necessary)

ATTY. DKT. NO. 5119-00517

SERIAL NO. 09/616,731

APPLICANT: McDevitt et al.

GROUP: 1743

FILING DATE: July 14, 2000

**U.S. PATENT DOCUMENTS**

EXAM. INITIALS	REF. DES.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASSES	FILING DATE IF APPROPRIATE
	D1	3,709,868	1/1973	Spector			
	D2	3,843,696	10/1974	Wagner, et al			
	D3	3,856,469	12/1974	Schneider, et al			
	D4	3,876,504	4/1975	Koffler			
	D5	3,964,974	6/1976	Banauch, et al			
	D6	4,245,041	1/1981	Denney			
	D7	4,294,817	10/1981	Burgett			
	D8	4,378,429	3/1983	Modrovich			
	D9	4,567,149	1/1986	Sell, et al			
	D10	4,683,195	7/1987	Mullis, et al			
	D11	4,683,202	7/1987	Mullis			
	D12	4,795,698	1/1989	Owen, et al			
	D13	4,813,277	3/1989	Miller, et al			
	D14	4,925,800	5/1990	Kovacs			
	D15	4,965,188	10/1990	Mullis, et al			
	D16	5,071,076	12/1991	Chagnon, et al			
	D17	5,108,933	4/1992	Liberti, et al			
	D18	5,130,238	7/1992	Malek, et al			
	D19	5,156,810	10/1992	Ribi			
	D20	5,168,044	12/1992	Joyce, et al			
	D21	5,235,028	8/1993	Barany, et al			
	D22	5,252,294	10/1993	Kroy et al			
	D23	5,491,097	2/1996	Ribi et al			
	D24	5,563,042	10/1996	Phillips, et al			
	D25	5,631,130	5/1997	Leckie, et al			
	D26	5,788,814	8/1998	Sun et al			
	D27	5,827,748	10/1998	Golden			

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Information Disclosure Statement--PTO 1449 (modified)

**Form PTO-1449** (modified)

List of Patents and Publications

For Applicant's Information

Disclosure Statement

(Use several sheets if necessary)

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**U.S. PATENT DOCUMENTS**

EXAM. INITIALS	REF. DES.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	D28	5,846,708	12/1998	Hollis et al.			
	D29	5,854,141	12/1998	Cronin et al			
	D30	5,856,174	1/1999	Lipshutz et al			
	D31	5,869,241	2/1999	Edwards, et al			
	D32	5,872,170	2/1999	Mine et al			
	D33	5,891,656	4/1999	Zarling et al			
	D34	5,965,590	10/1999	Rossignol			
	D35	5,981,297	11/1999	Baselt			
	D36	5,992,820	11/1999	Fare et al			
	D37	6,008,031	12/1999	Modrich, et al			
	D38	6,013,440	1/2000	Lipshutz, et al			
	D39	6,045,579	4/2000	Hochshuler, et al			
	D40	6,063,581	5/2000	Sundrehagen			
	D41	6,083,763	7/2000	Balch			
	D42	6,151,973	11/2000	Geysen, et al			
	D43	6,331,441	12/2001	Balch et al			

**FOREIGN PATENT DOCUMENTS**

EXAM. INITIALS	REF. DES.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO
	D44	00/04372	1/2000	WO			
	D45	90/01069	2/1990	WO			
	D46	92/0880	1/1992	WO			
	D47	439,182	4/96	EP			

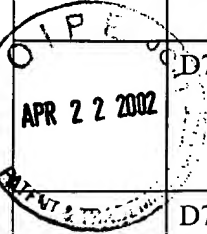
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Information Disclosure Statement--PTO 1449 (modified)

<b>Form PTO-1449</b> (modified) List of Patents and Publications For Applicant's Information Disclosure Statement (Use several sheets if necessary)		ATTY. DKT. NO. 5119-00517  APPLICANT: McDevitt et al.  FILING DATE: July 14, 2000	SERIAL NO. 09/616,731  GROUP: 1743
<b>OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
D48	Adler, M; Nicholson, J.D.; Hackley, B.E., Jr. "Efficacy of a novel metalloprotease inhibitor on botulinum neurotoxin B activity" FEBS Lett., 1998, 429, 234-238.		
D49	James, T.D.; Sandanayake, K.R.A.S.; Iguchi, R.; Shinkai, S.J. Am. Chem. Soc. 1995, 117, 8982-8987.		
D50	Murukami, H.; Nagasaki, T.; Hamachi, I.; Shinkai, S. Tetrahedron Lett., 1993, 34, 6273-6276.		
D51	Shinkai, S.; Tsukagohsi, K.; Ishikawa, Y.; Kunitake, T.J. Chem. Soc. Chem. Commun. 1991, 1039-1041.		
D52	Kondo, K.; Shiomi, Y.; Saisho, M.; Harada, T.; Shinkai, S. Tetrahedron. 1992, 48, 8239-8252.		
D53	Shiomi, Y.; Saisho, M.; Tsukagoshi, K.; Shinkai, S.J. Chem. Soc. Perkin Trans I 1993, 2111-2117.		
D54	Deng, G.; James, T.D.; Shinkai, S.J. Am. Chem. Soc. 1994, 116, 4567-4572.		
D55	James, T.D.; Harada, T.; Shinkai, S.J. Chem. Soc. Chem. Commun. 1993, 857-859.		
D56	James T. D.; Murata, K.; Harada, T.; Ueda, K.; Shinkai, S. Chem. Lett. 1994, 273-276.		
D57	Ludwig, R.; Harada, T.; Ueda, K.; James, T.D.; Shinkai, S.J., Chem. Soc. Perkin Trans 1994, 697-702.		
D58	Sandanayake, K.R.A.S.; Shinkai, S.J. Chem. Soc., Chem. Commun. 1994, 1083-1084.		
D59	Nagasaki, T.; Shinmori, H.; Shinkai, S. Tetrahedron Lett. 1994, 35, 2201-2204.		
D60	Murakami, H.; Nagasaki, T.; Hamachi, I.; Shinkai, S., J. Chem. Soc. Perkin Trans 2. 1994, 975-981.		
D61	Nakashima, K.; Shinkai, S., Chem. Lett. 1994, 1267-1270.		
D62	Sandanayake, K.R.A.S.; Nakashima, K.; Shinkai, S.J., Chem. Soc., Chem. Commun. 1994, 1621-1622.		
D63	James, T.D.; Sandanayake, K.R.A.S.; Shinkai, S., J. Chem. Soc., Chem. Commun. 1994, 477-478.		
D64	James T.D.; Sandanayake, K.R.A.S.; Shinkai, S., Angew. Chem., Int. Ed. Eng. 1994, 33, 2207-2209.		
D65	James T.D.; Sandanayake, K.R.A.S.; Shinkai, S. Nature, 1995, 374, 345-347.		
D66	Förster, Th. "Transfer Mechanisms of Electronic Excitation", Discuss. Faraday Soc., 1959, 27, 7-17.		
D67	Khanna, P.L., Ullman, E.F. "4', 5' - Dimethoxyl-6-carboxyfluorescein; A novel dipole-dipole coupled fluorescence energy transfer acceptor useful for fluorescence immunoassays", Anal. Biochem. 1980, 108, 156-161.		
D68	Morrison, L.E. "Time resolved Detection of Energy Transfer: Theory and Application to Immunoassays", Anal. Biochem. 1988, 174, 101-120.		
D69	Schmidt, J.J.; Stafford, R.G.; Bostian, K.A.; "Type A botulinum neurotoxin proteolytic activity: development of competitive inhibitors and implications for substrate specificity at the S <sub>1</sub> ' binding subsite", FEBS Lett., 1998, 435, 61-64.		
D70	Shone, C.C.; Roberts, A.K., "Peptide substrate specificity and properties of the zinc endopeptidase activity of botulinum type B neurotoxin", Eur. J. Biochem., 1994, 225, 263-270.		
D71	Soleihac, J.-M.; Cornille, F.; Martin, L.; Lenoir, C.; Fournie-Zaluski, M.-C.; Roques, B.P. "A sensitive and rapid fluorescence-based assay for determination of tetanus toxin peptidase activity: Anal. Biochem., 1996, 241, 120-127.		
D72	Stimpson, D.I.; Hoijer, J.V.; Hsieh, W.T.; Jou, C.; Gordon, J.; Theriault, T.; Gamble, R.; Baldeschwieler, J.D.; Proc. Natl. Acad. Sci. USA 1995, 92, 6379-6383.		
D73	Niikura, K.; Metzger, A.; Anslyn, E.V., "A Sensing Ensemble with Selectivity for Iositol Triphosphate", J. Am. Chem. Soc., 1998, 120, 8533-8534.		

<b>Form PTO-1449</b> (modified) List of Patents and Publications For Applicant's Information Disclosure Statement (Use several sheets if necessary)		ATTY. DKT. NO. 5119-00517  APPLICANT: McDevitt et al.  FILING DATE: July 14, 2000	SERIAL NO. 09/016731  GROUP: 1743
	D74	Kaiser, E.; Colescott, R.L.; Bossinger, C.D.; Cook, P.I.; "Color Test for Detection of Free Terminal Amino Groups in the Solid-Phase Synthesis of Peptides", Anal. Biochem., 1970, 34, 595-598.	
	D75	Hamasaki, K.; Ikeda, H.; Nakamura, A.; Ueno, A.; Toda, F.; Suzuki, I.; Osa, T. "Fluorescent Sensors of Molecular Recognition. Modified Cyclodextrins Capable of Exhibiting Guest-Responsive Twisted Intramolecular Charge Transfer Fluorescence", J. Am. Chem. Soc., 1993, 115, 5035-5040. And reference 5 therein.	
	D76	Youil R; Kemper, B; Cotton, RGH, "Detection of 81 of 81 Known Mouse Beta-Globin Promoter Mutations with T4 Endonuclease-VII-The EMC Method", Genomics, 1996, 32, 431-5.	
	D77	Pabo and Sauer, 1992, Annu. Rev. Biochem, 61, 1053-1095.	
	D78	Harrison, 1991, Nature, 353, 715-719.	
	D79	Klug A., Gene 1993, 135- 83-92.	
	D80	Hsu, I.C.; Yang, Q.P.; Kahng, M.W.; Xu, J.F.; "Detection of DNA Point Mutations with DNA Mismatch Repaire Enzymes", Carcinogenesis, 1994, 15, 1657-1662.	
	D81	Saiki, et al., Science, 1985, 230, 1350-1354.	
	D82	Mullis, et al., Cold Springs Harbor Symp. Quant. Biol., 1986, 51, 263-273.	
	D83	Mullis K.B.; and Faloona, F.A., Methods Enzymol., 1987, 155, 335-350.	
D84	Barany, F. PCR Methods and Applications, 1991, 1, 5-16.		
D85	Wu D.Y.; Wallace, R.B., Genomics, 1989, 4:560-569.		
D86	Barany, F., Proc. Natl. Acad. Sci. USA, 1991, 88,189-193.		
D87	Kwoh, et al., Proc. Natl. Acad. Sci., USA, 1989, 86,1173-1177.		
D88	Guatelli, et al., Proc. Natl. Acad, Sci., 1990, USA, 87,1874-1878.		
D89	Goldrick, M.M.; Kimball, G.R.; Liu, Q.; Martin, L.A.; Sommer, S.S.; Tseng, J.Y.H.; "Nirca™-A Rapid Robust Method for Screening for Unknown Point Mutations", BioTechniques, 1996, 21, 106-112.		

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